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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/990,102

TIME: 07:41:34

Input Set : N:\Crf3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

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4 <110> APPLICANT: Haussler, David
5     Winters-Hilt, Stephen
6     Akeson, Mark
7     Vercoutere, Wenonah
11 <120> TITLE OF INVENTION: Methods and Devices for Characterizing
12     Duplex Nucleic Acid Molecules
15 <130> FILE REFERENCE: UCAL199
17 <140> CURRENT APPLICATION NUMBER: 09/990,102
18 <141> CURRENT FILING DATE: 2001-11-21
20 <150> PRIOR APPLICATION NUMBER: 60/253,393
21 <151> PRIOR FILING DATE: 2000-11-27
23 <160> NUMBER OF SEQ ID NOS: 22
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29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
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33 <223> OTHER INFORMATION: Synthetic oligonucleotide
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38 <210> SEQ ID NO: 2
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41 <213> ORGANISM: Artificial Sequence
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44 <223> OTHER INFORMATION: Synthetic oligonucleotide
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49 <210> SEQ ID NO: 3
50 <211> LENGTH: 14
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Synthetic oligonucleotide
57 <400> SEQUENCE: 3
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61 <211> LENGTH: 16
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Synthetic oligonucleotide

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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/990,102

TIME: 07:41:34

Input Set : N:\Crif3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

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77 <223> OTHER INFORMATION: Synthetic oligonucleotide
79 <400> SEQUENCE: 5
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84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
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93 <210> SEQ ID NO: 7
94 <211> LENGTH: 22
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
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102 cttcgaacgt tttcgttcga ag 22
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117 <212> TYPE: DNA
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123 <400> SEQUENCE: 9
124 cgaacgtttt cgtacg 16
126 <210> SEQ ID NO: 10
127 <211> LENGTH: 19
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131 <220> FEATURE:
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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/990,102

TIME: 07:41:34

Input Set : N:\Crf3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

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151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
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157 gttcgaacgt tttcgttcga ac 22
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167 <400> SEQUENCE: 13
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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/990,102

TIME: 07:41:34

Input Set : N:\Crf3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

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220 <223> OTHER INFORMATION: Synthetic oligonucleotide
222 <221> NAME/KEY: modified_base
223 <222> LOCATION: (1)...(1)
224 <223> OTHER INFORMATION: N is difluorotoluene
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267 <220> FEATURE:
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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/09/990,102

TIME: 07:41:34

Input Set : N:\Crf3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

270 &lt;400&gt; SEQUENCE: 22

271 tatcgaacgt tttcgttcga ta

22

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/990,102

DATE: 03/19/2002

TIME: 07:41:35

Input Set : N:\Crf3\Datahold\EFS\09990102\seq1st.TXT

Output Set: N:\CRF3\03192002\I990102.raw

L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18

## Acknowledgment Receipt:

SUBMISSION TYPE: **BIO Sequence Filing**  
APPLICATION NUMBER: **09990102**  
FIRST NAMED INVENTOR: **David Haussler**  
TITLE OF INVENTION: **Methods and Devices for Characterizing Duplex  
Nucleic Acid Molecules**  
ATTORNEY DOCKET NUMBER: **UCAL-199**

### FILE LISTING:

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sequence-listing	seq1st.TXT 4546 Bytes
biotechnology-listing-filing	ucal-199bio.xml 958 Bytes
biotechnology-listing-filing	u-bio.dtd 3619 Bytes
biotechnology-listing-filing	e-bioseq.xsl 6067 Bytes

EFS ID: **14295**

FILE SIZE: **15248 Bytes**

TIMESTAMP: **Mon Mar 18 10:37:38 EST 2002**

MESSAGE DIGEST: **jNADHR/KiChpobpviM7ZDQ==**

DIGITAL CERTIFICATE HOLDER NAME: **cn=Robert Cargill Hall, ou=Registered Attorneys**

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